SOLOV'YEVA, N K

Using serological reactions in identifying Actinomycetes with the aid of sonically treated antigens. N. K. Solov'eva, I. B. El'piner, and N. P. Fadeeva (All-Union Sci. Research Inst. Antibiotics, Moscow). *Mikrobiologiya* 25, 681–9 (1956).—Subsurface cultures in a maize mash of Actinomycetes yielded the most effective antigens after exposure to ultrasonic vibrations (740,000 cycles/sec.). Serological tests were used to show close or distant relations; the test varieties were *Actinomyces globisporus*, 3 varieties; *A. rimosus*, 2 strains; *A. aureofaciens*; *Streptomyces lavendulae*; *S. violaceus*; and *S. fradiae*. Julian F. Smith.

"Morphological, Cultural, and Antagonistic Properties of Verticillate Actinomycetes", by N.K. Solov'yeva, S.M. Rudaya, M.M. Tayg, and N.P. Fadeyeva, All-Union Scientific Research Institute of Antibiotics, Antibiotiki, No 2, March-April 1957, pp 21-26.

Of the antagonistic Actinomycetes isolated from the soil of Soviet Central Asia, a great number have a verticillate structure of the spore-bearing hyphae. The yield of Pamir soils was especially abundant.

Only 4 varieties of Actinomycetes were thus far described: first "A. reticuli" by Waksman, in 1916; in 1919, again by Waksman and others, called "A. reticuli ruber"; in 1938, A.Ye. Kriss isolated an A. which he called "verticillatus" from the trans-Volga soil; finally, in 1941, N.A. Krasil'nikov described a new "A. circulatus". In recent years, Japanese researchers have also isolated a number of verticillate Actinomycetes having antifungal action, and gave them their own names, although these cultures are apparently but variants of Waksman's A. reticuli.

The authors made a thorough investigation of the Actinomycetes in question from the point of view of its morphological, cultural, physiological, and antibiotic properties. In all, 85 verticillate cultures were studied, most of them originating from the Pamirs and belonging to the A. verticillatus group. The rest were composed of A. circulatus, Str. reticuli, Str. rubrireticuli, etc.

The A. of the 1st group was found to have specific antifungal properties, especially in inhibiting the growth of the Candida albicans. In the 2nd group, the antifungal action was either totally absent or very weak.

SOLOV'YEVA, M.K., SEMENOVA, V.A., DELOVA, I.D., RUDAYA, S.M., IL'INSKAYA, S.A.

Selection of strains of Actinomyces producing anticancer antibiotics. [with summary in English]. Antibiotiki 3 no.1:3-7 Ja-F'58 (MIRA 11:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ANTIBIOTICS,
anti-cancer, selection of productive strain of Actinomyces (Rus))
(ACTINOMYCES,
anti-cancer antibiotics prod. strains, selection (Rus))
(CYTOTOXIC DRUGS,
antibiotics prod. by Actinomyces, selection of productive strains (Rus))

MEL'NIKOVA, A.A., SEMENOVA, V.A., SOLOV'YEVA, N.K., SNEZHNOVA, L.P.
GINZBURG, G.N.

Formation of actinoxanthin; a new antitumor antibiotic [with summary in English]. Antibiotiki 3 no.1:18-22 Ja-F'58 (MIRA 11:5)

1. Otdel novykh antibiotikov Vsesoyuznogo nauchno-issledovatel'skogo instituta.
(ACTINOMYCES,
globisporus, prod. of anti-tumor antibiotic actinoxanthine (Rus))
(ANTIBIOTICS,
actinoxanthine, anti-tumor activity & prod. by Actinomyces globisporus (Rus))
(CYTOTOXIC DRUGS,
same)

SOLOV'YEVA, N.K., SOROKINA, Ye.I.

Characteristics of the producer of Violarin I, a new antivirus [with summary in English] Antibiotiki 3 no.4:19-23 Jl-Ag '58 (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy instituta antibiotikov.
(ANTIBIOTICS)

SOLOV'YEVA, N.K.

Results and prospects of research in finding new antibiotics. Med. prom. 12 no.1:9-13 Ja '58. (MIRA 11:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov Ministerstva zdravookhraneniya SSSR.
(ANTIBIOTICS)

SOLOV'YEVA, N.K.; DELOVA, I.D.

Significance of immunological reactions in the classification of Actinomyces. Zhur.mikrobiol.epid. i immun. 29 no.3:65-70 Mr '58. (MIRA 11:4)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov.
(ACTINOMYCES,
classif., immunol. reactions (Rus)

SOLOV'YEVA, N.K.; TAYG, M.M.

Distribution of antagonistic actinomyces in mountain soils of the Pamirs. Izv.AN SSSR.Ser.biol. no.2:221-227 Mr-Ap '59. (MIRA 12:5)

1. The Union Research Institute of Antibiotics, Moscow.
(PAMIRS--ACTINOMYCES) (SOIL MICRO-ORGANISMS)

SOLOV'YEVA, N.K.; IL'INSKAYA, S.A.; TAYC, M.M.; SAVEL'YEVA, A.M.; SOKOKINA, N.A.

Antibiotics from certain Actinomyce ine forming coremia. Antibiotiki, 4 no.2:40-45 Mr-Ap '59. (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ANTIBIOTICS
prod. from coremia-forming Actinomyces (Rus))
(ACTINOMYCES, culture
coremia-forming & antibiotic-prod. strains (Rus))

SOLOV'YEVA, N.K.; MUDAYA, S.M.

Characteristics of the organism producing the new antifungal antibiotic albofungin. Antibiotiki 4 no.6:5-10 N-D '59. (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ANTIBIOTICS chem.)
(ACTINOMYCES)

KHOKHLOV, A.S.; SILAYEV, A.B.; STEPANOV, V.M.; YULIKOVA, Yo.P.; TROSHKO, Ye.V.; LEVIN, Ye.D.; MAMIOFE, S.M.; SINITSYNA, Z.T.; CHI CHAN-TSIN [Ch'ih Ch'ang-Ch'ing]; SOLOV'YEVA, N.K.; IL'INSKAYA, S.A.; ROSSOVSKAYA, V.S.; DMITRIYEVA, V.S.; SEMENOV, S.M.; VEYS, R.A.; BEREZINA, Ye.K.; RUBTSOVA, L.K.

A new type of polymyxin, polymyxin M. Antibiotiki 5 no.1:3-9 Ja-F '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov i laboratoriya khimii belka i antibiotikov khimicheskogo fakul'teta Moskovskogo ordena Lenina gosudarstvennogo universiteta imeni M.V. Lomonosova.

(POLYMIXIN)

SOLOV'YEVA, N.K.; DELOVA, I.D.

Comparative characteristics of some strains of actinomycetes producing actinomycin. Antibiotiki 5 no.1:20-25 Ja-F '60.
(MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ACTINOMYCES)

SEMENOVA, V.A.; SOLOV'YEVA, N.I.; [illegible] I.S.; DMITRIYEVA, V.S.; TRAFFENBERG, D.M.; RODIONOVSKAYA, E.I.; CHERENKOVA, L.V.; KHOKHLOV, A.S.; BYCHKOVA, M.M.; GINZBURG, G.N.

Antibiotic phytobacteriomycin, effective in controlling bacteriosis in plants. Trudy Vses. inst. sel'khoz. mikrobiol. 17:131-139 '60. (MIRA 15:3)

(Antibiotics) (Bacteria, Phytopathogenic)

SOLOV'YEVA, N.K.; SEMENOVA, V.A.; IL'INSKAYA, S.A.; LYAGINA, N.M.; TAYG, M.M.

Outline of some antibiotics suitable for controlling diseases in plants. Trudy Vses. inst. sel'khoz. mikrobiol. 17:140-146 '60. (MIRA 15:3)

(Plants--Diseases) (Antibiotics)

SOLOV'YEVA, N.K.; DELOVA, I.D.; GERMANOVA, K.I.; SAVEL'YEVA, A.M.; KHOKHLOV, A.S.; MAMIOFE, S.M.; SINITSYNA, Z.T.; PETROVA, M.A.; KOROLEVA, V.A.; NAVASHIN, S.M.; FOMINA, I.P.; BUYANOVSKAYA, I.B.; VASILENKO, O.S.; YEFREMOVA, S.A.; BEREZINA, Ye.K.; VEYS, R.A.; DMITRIYEVA, V.S.; SEMENOV, S.M.; SHNEYERSON, A.N.

Polymycin, a new antibiotic from the streptotricin group. Antibiotiki 5, no.6:5-10 N-D '60. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, kafedra mikrobiologii TSentral'nogo instituta usovershenstvovaniya vrachey.

(ANTIBIOTICS)

RUYAYA, S.M.; SOLOV'YEVA, N.K.

Comparative characteristics of strains of Act. rimosus (producer of oxytetracycline) and experimentally produced variants. Mikrobiologiia 29 no.3:433-440 My-Je '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ACTINOMYCES) (TERRAMYCIN)

RUDAYA, S.M.; SOLOV'YEVA, N.K.

Formation of a crimson pigment in Actinomyces rimosus. Mikrobiologiia 29 no.5:766-769 S-O '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.
(ACTINOMYCES) (PIGMENTS)

SOLOV'YEVA, N.K.; DELOVA, I.D.

Possibility of using the agar precipitation reaction for classifying actinomycetes. Antibiotiki 6 no.8:671-675 Ag '61. (MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ACTINOMYCES)
(ANTIGENS AND ANTIBODIES--ANALYSIS)

SOLOV'EVA, L.K., TAIG, M.M.

Characteristics of Actinomyces population in the soils of Central Asia. Izv. AN SSSR. Ser.biol. no.2:252-259 Mr-Ap'62. (MIRA 16:7)

1. All Union Research Institute of Antibiotics, Moscow.
(SOVIET CENTRAL ASIA—ACTINOMYCES)

TAYG, M.N.; RUDAYA, S.N.; SOLOV'YEVA, N.K.

Cultivation of actinomycetes from the family Actinoplanaceae. Antibiotiki 7 no.6: 483-491 Je '62. (MIRA 15:5)

1. Otdel novykh antibiotikov Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov.
(ACTINOMYCES)

SOLOV'YEVA, [illegible] ... [illegible]SKAYA, S.A.

Characteristics of the biological properties of polymyxin M producer and determination of its taxonomic position. Antibiotiki 8 no.1:3-7 Ja'63. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

(POLYMYXIN)

IL INSKAYA, S.A.; SOLOV'YEVA, N.K.

Medium for submerged biosynthesis of polymyxin M. Antibiotiki 8 no.1:7-11 Ja'63. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(POLYMYXIN) (BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

RUDAYA, S.M.; SOLOV'YEVA, N.A.; ROZENFEL'D, G.S.; KHOKHLOV, A.S.
BYCHKOVA, M.M.

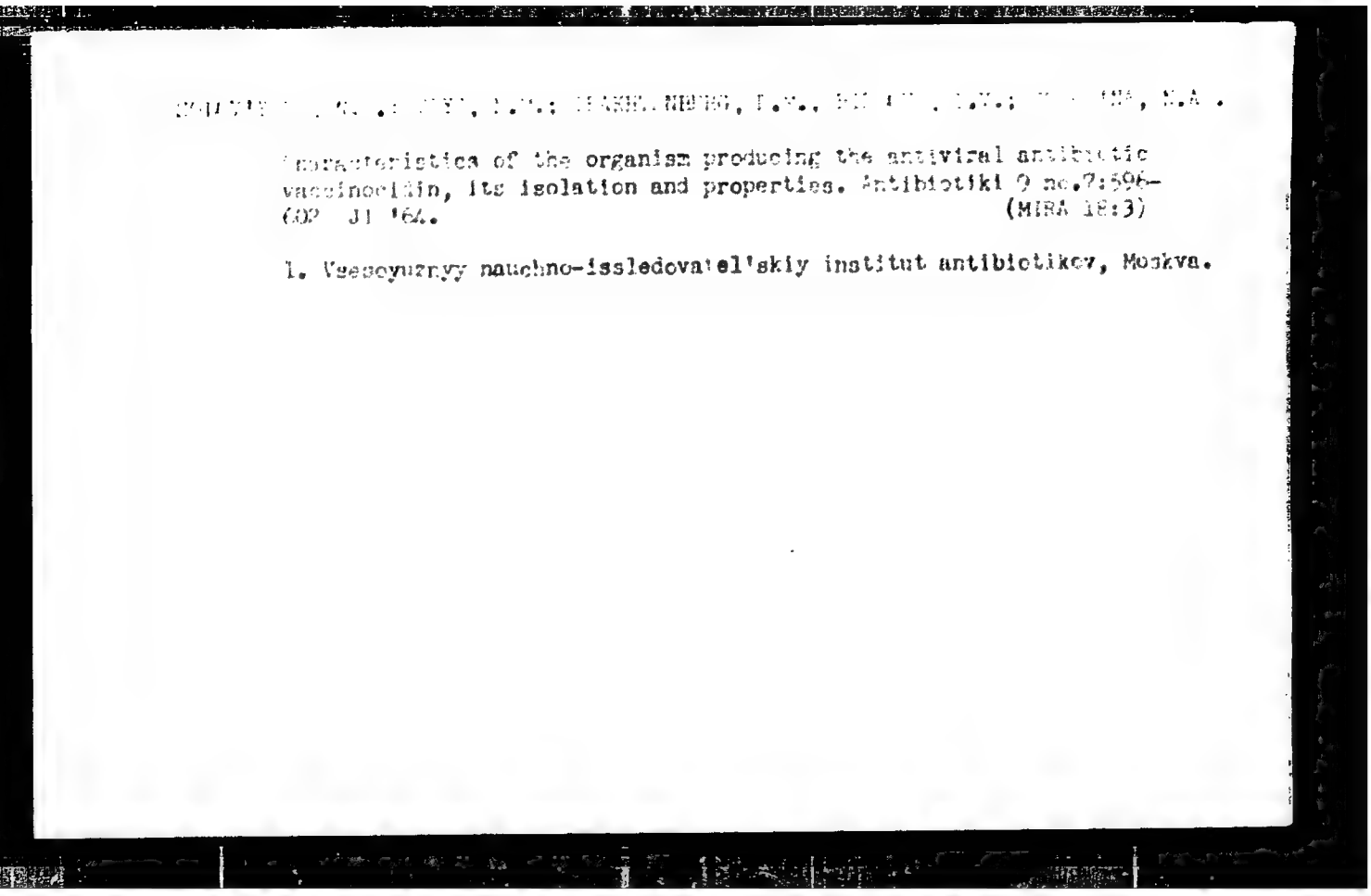
Formation, isolation and primary chemical purification of antibiotic no. 660-15, related to albofungin. Antibiotiki 8 no.2:99-103 F'63. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov i Institut khimii prirodnykh soyedineniy AN SSSR.
(ANTIBIOTICS) (FUNGICIDES)

SOLOV'YEVA, N.K., TAYC, M.M.; SINGAL, E.M.; RUDAYA, S.M.

Some data on the micromorphology of Actinomyces. Antibiotiki 9 no.2:115-121 F '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.



[illegible], M.A.

Characteristics of the organism producing the antiviral antibiotic vaccinocidin, its isolation and properties. Antibiotiki 9 no.7:596-602 Jl '64. (MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.

GERMANOVA, K.I.; GONCHARSKAYA, T.Ya.; DELOVA, I.D.; IL'INSKAYA, S.A.; MEL'NIKOVA, A.A.; ORESHNIKOVA, T.P.; RESHETOV, P.D.; RUDAYA, S.D.; SINITSYNA, Z.T.; SOLOV'YEVA, N.K.; KHOKHLOV, A.S.

Components and antiviral properties of some streptothricin antibiotics. Antibiotiki 10 no.2:117-122 F '65.

(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov i Institut khimii prirodnykh soyedineniy AN SSSR, Moskva.

SOLOV'YEVA, N.M.

Seasonal development of hawthorn in the Botanical Garden of the Moscow University. Vest. Mosk. un. Ser. 6: Biol., pochv. 17 no.5:42-46 S-O '62. (MIRA 15:11)

1. Botanicheskiy sad Moskovskogo universiteta.
(Moscow—Hawthorn)

SOLOV'YEVA, N. N.

Analysis and methodology of calculating precipitation in the upper and middle Amur Basin and methods of calculating rainwater discharges. Trudy Len. gidromet. inst. no.11:28-81 '61. (MIRA 16:1)

(Amur Valley--Rain and rainfall)
(Amur Valley--Runoff)

SOLOV'YEVA, N. N.

Formula for calculating maximum rainwater discharges. Trudy Len. gidromet. inst. no.11:280-301 '61. (MIRA 16:1)

(Amur Valley—Rain and rainfall)
(Amur Valley—Runoff)

SOLOV'YEVA, N.P., inzh.; CHISTYAKOV, I.D., inzh.

Struggle for the expansion of construction engineering. Biul. tekh. inform. 3 no.12:22-25 D '57. (MIRA 11:1)
(Building machinery)

GRAMP, Aleksandr Nikolayevich; SOLOV'YEVA, N.P., red.; KLEYMAN, L.O., tekhn.red.

[Consolidated transportation system in the U.S.S.R.; lecture for students of the second course in all specialities] Edinaia transportnaia set' SSSR; lektsiia dlia studentov II kursa vsekh spetsial'nostei. Moskva, M-vo putei soobshcheniia. Vses. zaochnyi in-t inzhenerov zhel-dor.transporta, 1959. 32 p. (MIRA 13:4)

(Transportation)

FAYNZIL'BERG, E.M., doktor tekhn. nauk, prof.; REZNIKOV, B.L., dots., retsenzent; MAKHON'KO, M.G., dots., retsenzent; SOLOV'YEVA, N.P., red.; KLEYMAN, L.G., tekhn. red.

[Internal combustion engines (fundamentals of the theory and their parts); lecture course]Dvigateli vnutrennego sgoraniia (osnovy teorii i elementy konstruktsii); kurs lektsii. Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transporta, 1961. 74 p. (MIRA 15:8)

1. Moskovskiy institut inzhenerov zheleznodorozhnego transporta im. I.V.Stalina (for Reznikov, Makhon'ko).
(Gas and oil engines)

MAL'Y, T.Ye.; OZHEVNIKOV, A.M.; SEROV, K.F., red.; SOLOV'YEVA, L.P., red.; NIKOL'SKIAYA, K.G., tekhn. red.

[Disk brakes]Diskovyi tormoz; uchebnoe posobie po distsipline "Avtotormoza" dlia studentov V i VI kursov spetsial'nostei "Vagonostroenie i vagonnoe khoziaistvo," "Teplovozy i teplovoznoe khoziaistvo," "Elektrifikatsiia zheleznodorozhnogo transporta." Moskva, 1962. 30 p. (MIRA 15:12)

1. Moscow. Vsesoyuznyy zaochnyy institut inzhenerov zheleznodorozhnogo transporta.

(Railroads--Brakes)

BEKHTEREV, V.D.; SOLOV'YEVA, N.P., red.; KLEYMAN, L.G., tekhn. red.

[Fundamentals in the organization of car operation, maintenance, and repair] Osnovy organizatsii vagonnogo khoziaistva; uchebnoe posobie dlia studentov, obuchaiushchikhsia po profiliu "Vagonostroenie i vagonnoe khoziaistvo." Moskva, Mosk. in-t inzhenerov zhel-dor. transp. 1962. 99 p. (MIRA 16:4)
(Railroads--Management)
(Railroads--Cars--Maintenance and repair)

POLITOV, A.A., kand. tekhn. nauk, dots.; SOLOV'YEVA, N.P., red.; NIKOL'SKAYA, K.G., tekhn. red.

[Diesel locomotive engines] Teplovoznye dvigateli; uchebnoe posobie dlia studentov V kursa spetsial'nosti "Teplovozy i teplovoznoe khoziaistvo." Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transporta, 1962. 242 p. (MIRA 16:5)
(Diesel locomotives) (Gas and oil engines)

GONCHAROV, N.Ye., knad.tekhn.nauk; SOLOV'YEVA, N.P., inzh.

New principles of the organisation of local operations. Zhel.dor.transp. 45 no.2:63-65 F '63. (MIRA 16:2)
(Railroads—Management)

SOLOV'YOVA, N.P., inzh.

Organization of local car flows under the new conditions. Zhel.dor. transp. 45 no.7:95-96 Jl '63. (MIRA 16:9)
(Railroads--Management)

SOLOV'YEVA, N.P., inzh.

Problems of the improvement of car flows within a railroad line. Zhel. dor. transp. 46 no.1:52-56 Ja '64.
(MIRA 17:8)

[illegible]OV, V.M.; SOLOV'YEVA, N.[illegible]; SHOL'YANINOVA, Ye.L.; BELOV, V.[illegible]; KOCHKIN, N.V.

Intermediates in the synthesis of perfume substances. Report No. 5: Preparation 11-bromoundecanoic acids in a continuous column apparatus. Trudy VNIISNDV no.2:32-33 '54. (MLRA 10:7)
(Undecanoic acid)

SMOL'YANINOVA, Ye.K.; SOLOV'YEVA, N.P.; SVADKOVSKAYA, G.N.; BELOV, V.N.

Synthesis of dihydroambrettolactone. Trudy VNIISNDV no.2:34-35 '54. (MLRA 10:7)

(Ambrettolic acid)

Selov'yeva, N. P.

AUTHORS: Selov'yeva, N. P., Smol'yaninova, Ye. K., 79-11-23/56
Belov, V. N.

TITLE: Investigation of the Condensation Products of the Undecylenic Acid With Formaldehyde (Issledovaniye produktov kondensatsii undetsilenovoy kisloty s formal'degidom).

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 11, pp. 3015-3021 (USSR)

ABSTRACT: In search of a convenient synthesis of 12-oxydodecanic acid the authors succeeded in performing the condensation of undecylenic acid with formaldehyde and in investigating some conversions of the compounds forming in this reaction. A similar condensation of formaldehyde with unsaturated acids has formerly only been described in two papers without mentioning the undecylenic acid. The present condensation was carried out by the authors in the presence of H_2SO_4 during six hours at 60-65°C. The following end products were determined: 4-(ω -carboxyoctyl)-1,3-dioxan; 4-(ω -carbometoxyoctyl)-1,3-dioxan; 3-(ω -carboxyheptyl)-4-oxytetrahydropyran; 3-(ω -carbometoxyheptyl)-4-oxytetrahydropyran and a small quantity of 10-oxyundecanic acid. It was also shown that these compounds partially condense themselves

Card 1/2

Investigation of the Condensation Products of the Undecylenic Acid With Formaldehyde 77-11-23/56

in the form of methyl ester. The structure of 4-(ω-carbometoxyoctyl)-1,3-dioxane and 3-(ω-carbometoxy-heptyl)-4-oxytetrahydropyran was confirmed by a number of conversions. 4-(ω-carbometoxyoctyl)-1,3-dioxane can over a number of stages be converted to 12-oxydodecanic acid (about 30%). There are 8 references, 3 of which are Slavic.

ASSOCIATION: All-Union Scientific Research Institute of Synthetic and Natural Aromatic Substances (Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh i natural'nykh dushistykh veshchestv).

SUBMITTED: November 1, 1956

AVAILABLE: Library of Congress

1. Undecylenic acids - Condensation reactions
2. Formaldehyde - Condensation reactions

Card 2/2

SOLOV'YEVA, N. P., Cand Chem Sci -- (diss) "Development of methods of preparation of certain intermediate products for synthesis of macrocyclic lactones." Mos, 1958. 12 pp (Mos Order of Lenin Chem-Technol Inst im D. I. Mendeleyev), 100 copies (KL, 15-58, 112)

BELOV, V.; SMOL'YANINOVA, Yo.K.; OGORODNIKOVA, Yo.A.; RODIONOV, V.M.; SOLOV'YEVA, N.P.; SVADKOVSKAYA, G.K.; SHEVYAKOVA, N.N.

Synthesis of macrocyclic lactones. Trudy VNIISNDV no.4:3-22 '58. (MIRA 12:5)

(Lactones)

SOLOV'YEVA, N.P.; SMOL'YANINOVA, Ye.K.; BELOV, V.N.

Intermediate products of the synthesis of odorous substances. Report No.6: Production of ω-oxyacids by the dehydrogenation of diols. Trudy VNIISNDV no.4:22-25 '58. (MIRA 12:5)
(Dehydrogenation) (Acids, Organic) (Glycols)

NESMEYANOV, A.N., akademik; FREYDLINA, R.Kh.; BELOV, V.N., prof.; KARAPETYAN, Sh.A.; SMOL'YANINOVA, Ye.K.; SOLOV'YEVA, N.P.; OGORODNIKOVA, Ye.A.; VASIL'YEVA, Ye.I.; ZAKHARKIN, L.I.; SHEVLAKOVA, N.N.

Synthesis of macrocyclic lactones and oxalactones based on ethylene and carbon tetrachloride. Zhur. VKHO 5 no.4:371-376 '60.
(MIRA 13:12)

1. Chlen-korrespondent Akademii nauk SSSR (for Freydlina).
(Lactones)

SOLOV'YEVA, N.P., kand.khim.nauk; OSIPOVA, V.P., kand.khim.nauk; VOYTKEVICH, S.A., kand.khim.nauk; BELOV, V.N., doktor khim.nauk

Production of oxalactones and their characteristics. Masl.-zhir. prom. 27 no.5:34-36 My '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh i natural'nykh dushistykh veshchestv.
(Lactones)

SVALKOVSKAYA, G.E.; SOLOV'YEVA, N.P.; SMOL'YANINOVA, Ye.K.; BELOV, V.N.; VOYTKEVICH, S.A.

Preparation of 16-hydroxyhexadecanoic acid by the "cross" electrocondensation method. Part 3: Electrocondensation of monoesters of azelaic acid with acyl derivatives of 9-hydroxynonanoic acid. Zhur.ob.khim. 31 no.9:2877-2879 S '61. (MIRA 14:9)
(Azalaic acid) (Nonanoic acid)

TSIRK[illegible], T.N.; SOLOV'YEVA, N.P.; VOYTKEVICH, S.A.

Preparation of 1,6-hexanediol from hexamethylenediamine. Trudy VNIISNDV no.6:15-17 '63. (MIRA 17:4)

BELOV, V.N. [deceased]; SOLOV'YEVA, N.P.; RUDOL'FI, T.A.; VORONINA, I.A.

Macrocyclic lactones. Part 1: Synthesis and infrared spectra of thialactones. Zhur.org.khim. 1 no.3:546-550 Mr '65.

Macrocyclic lactones. Part 2: Synthesis of sulfonolactones and thialactone iodomethoxides. Ibid.:551-554

(MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh i natural'nykh dushistykh veshchestv, Moskva.

SOLOV'YEVA, N.S.

Fishes and fisheries in Lakes of Cherdyn' District, Perm Province. Uch. zap. Perm. gos. un. 13 no.1:74-91 '60. (MIRA 14:11)

(Vil'gort, Lake--Fisheries)
(Vakishti, Lake--Fisheries)

IL'INA, N.S., kand.geologo-mineralog.nauk; YELINA, L.M.; RYZHOVA, A.A.; BUZINOVA, V.M.; DMITRIYEVA, L.Ya.; GIMPELEVICH, E.D.; GALAKTIONOVA, N.M.; IL'INSKAYA, V.V.; SOLOV'YEVA, N.S.; KARASEV, M.S.; BAKIROV, A.A., red.; VEBER, V.V., red.; DANOV, A.V., red.; DIKENSHTEYN, G.Kh., red.; MAKSIMOV, S.P., red.; POZNYSH, M.A., red.; SAIDOV, M.N., red.; SEMIKHATOVA, S.V., red.; TUKKEL'TAUB, N.M., red.; UL'YANOV, A.V., red. [deceased]; KHALTURIN, D.S., red.; SHABAYEVA, Ye.V., red.; CHIZHOV, A.A., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Coal deposits of the central provinces of the Russian Platform] Kamennougol'nye otlozheniia tsentral'nykh oblastei Russkoi platformy. Pod red. N.S.Il'inoi. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 209 p. (MIRA 12:3)
(Russian Platform--Coal geology)

FILIPPOVA, Mariya Filippovna, kand.geol.-miner.nauk; ARONOVA, S.M.; AFREMOVA, M.F.; GALAKTIONOVA, N.M.; GASSANOVA, I.G.; GIMPELEVICH, E.D.; KARASEV, M.S.; LYASHENKO, A.I.; MAYZEL', Z.L.; RATEYEV, M.A.; SOKOLOVA, L.I.; SOLOV'YEVA, N.S.; KHANIN, A.A.; SHISHENINA, Ye.P.; SHNEYDER, N.P.; BAKIROV, A.A., red.; VEBER, V.V., red.; DANOV, A.V., red.; DIKEN-SHTEYN, G.Kh., red.; MAKSIMOV, S.P., red.; POZNYSH, M.A., red.; SAIDOV, M.N., red.; SEMIKHATOVA, S.V., red.; TURKEL'TAUB, N.M., red.; UL'YANOV, A.V., red. [deceased]; KHALTURIN, D.S., red.; SHABAYEVA, Ye.A., red.; RAZINA, G.M., vedushchiy red.; GENNAD'YEVA, I.M., tekhn. red.

[Devonian deposits in the central provinces of the Russian Platform] Devonskie otlozheniia tsentral'nykh oblastei Russkoi platformy. Pod red. M.F.Filippovoi. Leningrad, Gos. nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 404 p. (MIRA 11:4)
(Russian Platform--Geology, Stratigraphic)

ZINOV'YEV, A.I.; SOLOV'YEVA, N.S.

Mercurimetric method of determining chlorine ions with a new color indicator. Trudy VNIGRI no.155:325-328 '60. (MIRA 14:1)
(Mercurimetry) (Chlorine) (Rocks—Analysis)

SOLOV'YEVA, N.S. (Chernovitsy)

Metastatic adenomas of the thyroid gland. Klin. med. 32 no.11: 59-63 N '54. (MLRA 8:1)

1. Iz kliniki nervnykh bolezney (zav.-prof. S.N.Savenko) Chernovitskogo meditsinskogo instituta (dir.-dotsent N.B.Man'kovskiy) i Psikho-nevrologicheskoy bol'nitsy (glavnyy vrach N.F.Chubynets)

(THYROID GLAND, neoplasms
adenoma, metastatic)

SAVENKO, S.; SOLOV'YEVA, N.S.

Tropacine therapy of extrapyramidal syndrome. Zhur.nevr. i psikh. 55 no.8:601 '55. (MLRA 8:10)

1. Iz kliniki nervnykh bolezney (zav.-prof. S.N.Savenko) Chernovitskogo meditsinskogo instituta.

(EXTRAPYRAMIDAL TRACTS, diseases,
extrapyramidal synd.ther.,diphenlacetic acid propyl ester hydrochloride)
(ACETIC ACID, derivatives,
diphenylacetic acid propyl ester hydrochloride, ther. of extrapyramidal synd.)

OLEYNIK, P.Z.; SOLOV'YEVA, N.T.; KUDRYASHEVA, N.I.

Finds of remains of the large gerbil in the northwestern Caspian Sea region. Sbor. nauch. rab. Elist. protivochum. sta. no. 1:167-171 '59. (MIRA 13:10)

(CASPIAN SEA REGION--GERBILS)

KOSMINSKIY, R.B.; SOLOV'YEVA, M.T.

Simple method for marking fleas. Med.paraz. i paraz.bol. 28 no.2:203-205 Mr-Ap '59. (MIRA 12:6)

1. Iz parazitologicheskogo otdela Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya (dir.instituta V.N.Ter-Vartanov, zav.otdelom V.Ye.Tiflov).
(FLEAS
marking of fleas, simple method (Rus))

SOLOV'YEVA, N.V., red.; DRANNIKOVA, M.S., tekhn. red.

[Secondary school programs for the 1962-1963 school year; geography]Programmy srednei shkoly na 1962/63 uchebnyi god; geografiia. Moskva, Uchpedgiz, 1962. 28 p. (MIRA 15:10)

1. Russia (1917- R.S.F.S.R.)Ministerstvo prosveshcheniya. (Geography—Study and teaching)

S/065/62/000/006/007/007
E075/E136

AUTHORS: Muzychenko, V.P., and Solov'yeva, N.V.

TITLE: A method of determining phosphorus in additives and oils with additives

PERIODICAL: Khimiya i tekhnologiya topliv i masel, no.6, 1962, 61-64

TEXT: A new method for the determination of phosphorus was developed, since the existing methods are time-consuming and not sufficiently precise. The organo-phosphorous compounds were oxidized in oxygen in a Sheniger flask. The resulting orthophosphoric acid was determined colorimetrically, using a complex formed by phosphoric acid with ammonium vanadate and ammonium molybdate, as the indicator. By applying the new method for the analysis of additives and oils with additives, it was found that for phosphorus contents less than 0.5% divergence between parallel determinations is from 0 to 20% (relative). For P contents > 0.5% the divergence does not exceed 5% (relative). The time of the analysis is from

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A method of determining phosphorus.. S/065/62/000/006/007/007
E075/E136

2 to 2.5 hours.
There are 2 figures and 4 tables.

Card 2/2

MIKHLIN, E.D.; YEROFEYEVA, N.N.; SOLOV'YEVA, N.V.; SIMONOVA, V.G.

Growth stimulating activity of the biomass formed during the methane fermentation of distiller's waste. Vit. res. i ikh isp. no.6:93-101 '63. (MIRA 17:1)

1. Institut biokhimii imeni A.N. Bakha AN SSSR, Moskva.

ACCESSION NR: AP4038914 S/0075/64/019/005/0553/0555

AUTHOR: Basargin, N. N.; Kukisheva, T. N.; Solov'yeva, N. V.

TITLE: Photometric determination of titanium in the presence of beryllium using 2,7-dichlorochromotropic acid

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 5, 1964, 553-555

TOPIC TAGS: titanium analysis, spectrophotometry, titanium, beryllium, chemical analysis, 2,7 dichlorochromotropic acid

ABSTRACT: The described method enables rapid and sufficiently accurate determination of microgram quantities of titanium (IV) in the presence of 10,000 fold or greater amounts of beryllium. The success of this method results from the fact that beryllium forms a weak colorless complex with 2,7-dichlorochromotropic acid and also because the optimum pH values for the reaction of this reagent with beryllium and titanium are different. The alloy samples were dissolved in HCl, heated on a hot plate with 1 ml of concentrated H_2SO_4 to fumes, the pH was adjusted to 1.0 using quinalidine red and the optical density of the solution was measured upon addition of 5 ml of 1 % solution of 2,7-dichlorochromotropic acid. Photometric

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ACCESSION NR: AP4038914

measurements were conducted with a green filter (490 millimicrons) using reagent solution for comparison. The values for the concentration of Ti were obtained from the previously prepared calibration graph. The time required for one determination is about 25 - 30 min. In determinations of 10 micrograms of titanium in the presence of 10,000 fold excess of Be, the standard deviation was 5.6 %. Orig. art. has: 1 table and 2 figures.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR, Moskva (Institute of Geochemistry and Analytical Chemistry the Academy of Sciences SSSR)

SUBMITTED: 17Jul63 ENCL: 00

SUB CODE: IC NO REF SOV: 005 OTHER: 001

Card 2/2

BASARGIN, N.N.; KUKISHEVA, T.N.; SOLOV'YEVA, N.V.

Photometric determination of titanium in the presence of beryllium with 2,7-dichlorochromotropic acid. Zhur. anal. khim. 19 no.5:553-555 '64. (MIRA 17:8)

1. Institut geokhimii i analiticheskoy khimii imeni Vernadskogo AN SSSR, Moskva.

KREYN, S. YE.; MAGIDSON, O. YU.; SOLOV'YEVA, N. V.

Mineral Oils

Effect of sulfanilamide compounds on the autoixation of mineral oils. Zhur. prikl. khim. 20, No. 4, 1947.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

BABICS, S.H.:SZOLOVJEVA, N.V.

Storage of drugs. Gyogyszeresz 8 no. 2:23-24 Feb 1953. (CIML 23:5)

1. Doctor.

MAMEDNIYAZOV, O.N.; SOLOV'YEVA, N.V.; KULIYEV, P.

Chemical composition of mulberry leaves. Izv. AN Turk. SSR. no.1: 124-126 '59. (MIRA 12:5)

1.Prezidium AN Turkmenskoy SSR.
(Mulberry)

MAMEDNIYAZOV, O.N.; SOLOV'YEVA, N.V.; KULLYYEV, P.; KASPAR'YANTS, L.A.

Comparative study of the chemical composition of different mulberry varieties growing in Chardzhou District, Turkmen S.S.R. Izv. AN Turk. SSR. Ser. biol. nauk no.5:68-72 '61. (MIRA 14:12)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.
(CHARDZHOU DISTRICT—MULBERRY—VARIETIES)

MIKHLIN, E.U.; YEROFEYEVA, N.N.; SOLOV'YEVA, N.V., SIMONOVA, V.G.

Composition of the biomass formed during the methane fermentation of stillage and some characteristics of its stimulating activity. Mikrobiologiia 33 no.2:210-215 Mr-Ap '64. (MIRA 17:12)

1. Institut biokhimii imeni A.N. Bakha AN SSSR.

MUZYCHENKO, V.P.; SOLOV'YEVA, N.V.; YERMINA, L.G.

Gravimetric analysis method for determining carbonates in additives. Khim. i tekh. topl. i masel 10 no.3:58-59 Mr '65. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

SOLOV'YEVA, N. YA., NARTSISSOV, N. V., AVENIROVA, Z. A., STEPANCHENOK, G. I.

"Serological and Biological Activity of Precipitating and Nonprecipitating Fractions of Rabbit Shope Papilloma." Proceedings of Inst. Epidem and Microbiol im. Gamaleya 1954 56.

Division of Virology, Zil'ber, L. A., professor, Active, Member, Academy of Medical Sciences USSR, Inst. Epidem and Microbiol im. Gamaleya, AMS USSR.

SO: Sum 1186, 11 Jan 57.

NARTSISSOV, N.V. (Moskva, D-182, Shchukinskaya, d.33, kv.46); AVENIROVA, Z.A. (Moskva, D-182, Shchukinskaya d.33 kv.53); STEPANCHENOK, G.I. (Moskva, D-182, Shchukinskaya, d.33, kv.37); SOLOV'YEVA, N.Ya. (Moskva, Kropotkinskiy pr. d.23, kv.9)

Serological and biological activities of precipitable and nonprecipitable fractions of Shope rabbit papilloma. Vop.onk. 1 no.6:59-64 '55. (MLRA 10:1)

1. Iz otdela virusologii (zav. otdelom - deystvitel'nyy chlen AMN SSSR prof. L.A.Zil'ber) Instituta epidemiologii i mikrobiologii im. N.F.Gamaleya (dir. - deystvitel'nyy chlen AMN SSSR prof. G.V.Vygodchikov)

(VIRUS DISEASES, experimental,
Shope papilloma, immunol. & biol. reactions of precipitable & non-precipitable fractions)

TIKHONENKO, T.I.; SOLOV'YEVA, N.Ya.

Concentration and purification of the cd phage from Escherichia coli strain CK. Biokhimiia 26 no.5:794-799 S-O '61. (MIRA 14:12)

1. Laboratory of Virus Biochemistry, Institute of Radiation and Physico-Chemical Biology and Immunological Department, Institute of Microbiology and Epidemiology, Academy of Medical Sciences of the U.S.S.R., Moscow.
(BACTERIOPHAGE) (ESCHERICHIA COLI)

SOLOV'YEVA, N.Ya.; KRIVISKIY, A.S.; RAUNTENSHTEYN, Ya.I.

Comparative study of some bacteriophages of Bac. megatherium. Mikrobiologiia 30 no.2:255-260 Mr-Ap '61. (MIRA 14:6)

1. Institut epidemiologii i mikrobiologii imeni Gamaleya AMN i Institut mikrobiologii AN SSSR.
(BACTERIOPHAGE) (BACILLUS MEGATERIUM)

RAUTENSHTEYN, Yu.I.; SOLOV'YEVA, N.Ya.

Ultraviolet-ray induction of the formation of a temperate phage by a lysogenic culture of Actinomyces venezuelae. Mikrobiologiia 32 no.2:252-259 Mr-Ap '63. (MIRA 17:9)

1. Institut mikrobiologii AN SSSR.

SCLOV'YEVA, N. Ya.; RAUTENSHTEYN, Yu.I.

Effect of indicator culture and culture medium composition on the result of actinophage titration. Mikrobiologiia 32 no.6: 1000-1005 N-D '63 (MIRA 18:1)

1. Institut mikrobiologii AN SSSR.

KRIVISKIY, A.S.; SOKOLOVSKAYA, N. Ya.

Mutagenic action of ultraviolet rays on the extracellular bacteriophage. Mikrobiologiia 32 no.6:1006-1012 N-D '63 (MIRA 18:1)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR i Institut mikrobiologii AN SSSR.

L 62522-65

ACCESSION NR: AP5016422 UR/0220/65/034/003/0442/0449 22 B

AUTHOR: Solov'yeva, N. Ya.; Padeyeva, N. P.; Rautenshteyn, Ya. I.; El'piner, I. Ye.

TITLE: Characteristics of the induced effect of UV irradiation and ultrasonics on a lysogenic Actinomyces fradiae strain 8004 culture

SOURCE: Mikrobiologiya, v. 34, no. 3, 1965, 442-449

TOPIC TAGS: fungus, actinomycetes, ultraviolet irradiation, ultrasonic vibration, lysis, phage

ABSTRACT: In a series of experiments, lysogenic cultures of Act. fradiae strain 8004 and control culture strains were exposed to UV irradiation and ultrasonic vibration to compare effects on induced phage formation and liberation. Suspensions of Act. fradiae spores and 5, 8, and 20 hr old mycelium were UV irradiated by three BUV-15 lamps (wave length 2537 angstroms, focal length 50 cm, 65.76 ergs/mm^2 sec) for periods up to 5 min. For ultrasonic vibration of Act. fradiae cultures, a piezoquartz generator (700 kc/s, 15 watt/cm^2) was used for periods up to 45 min, with continuous cooling of cultures

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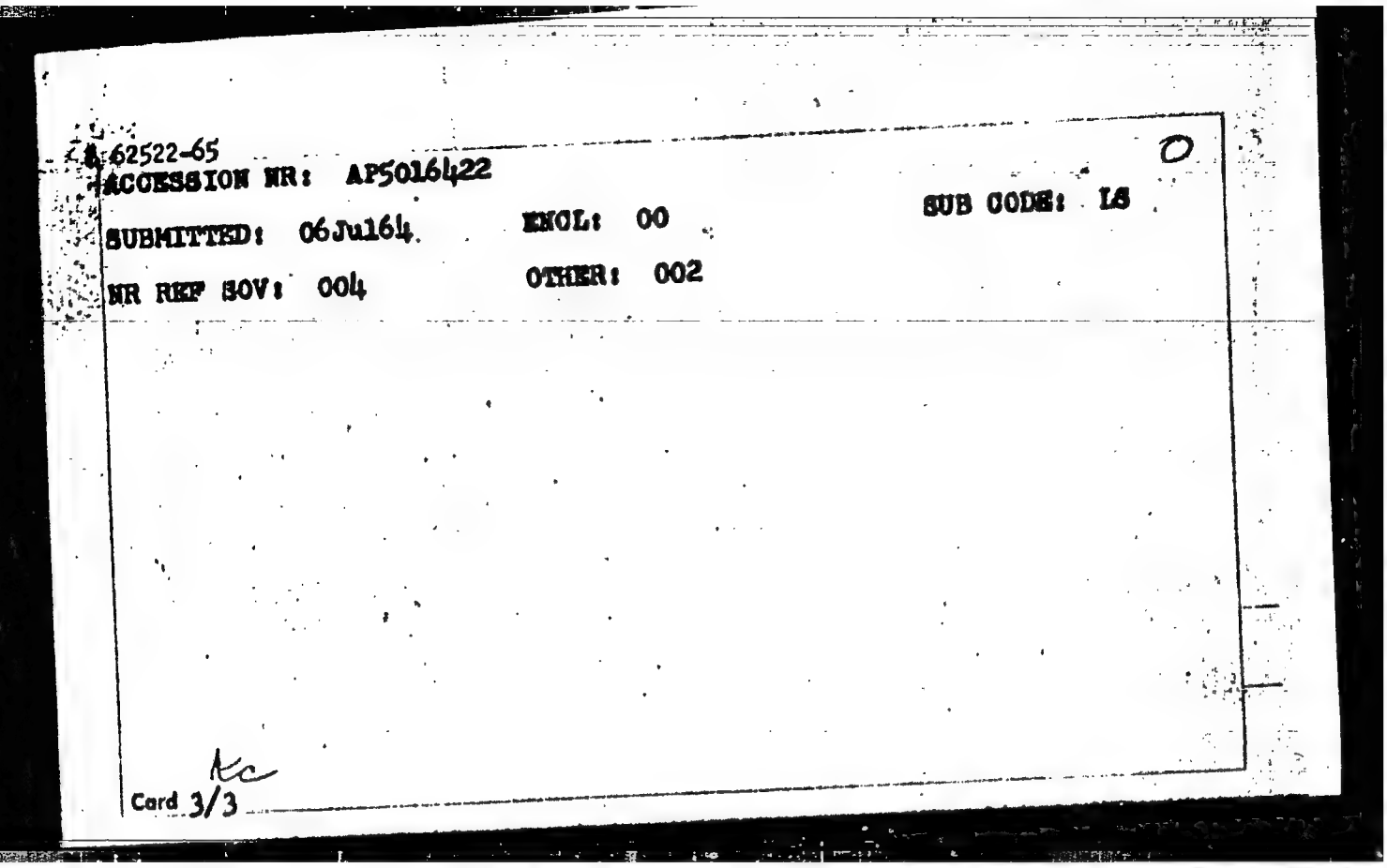
ACCESSION NR: AP5016422

during vibration. Following UV irradiation and ultrasonic vibration, the cultures were transferred to columns and incubated at 27°. Culture samples were taken at regular intervals (up to 24 hrs) and centrifuged for 30-40 min at 2500 rpm to determine the number of liberated phages in the supernatant and induced phage formation by difference in experimental and control titers. Findings show that the number of phage particles spontaneously liberated by a lysogenic culture of Act. fradiae 8004 depends on the maturity of the inoculated material. With spores and 5-8 hr old mycelium, an appreciable number of mature phage particles is liberated, approaching 10^8-10^9 units/ml in some cases. With 20 hr old mycelium, the number of spontaneously liberated phages is generally smaller. Thus, the formation of mature phage particles in lysogenic cultures is largely the result of young mycelium lysing. Both spores and 20 hr old mycelium of Act. fradiae 8004 are affected by UV and ultrasonics, liberating 3 to 10 times as many phage particles as found in control cultures. Orig. art. has: 10 figures and 1 table.

ASSOCIATION: Institut mikrobiologii AN SSSR (Microbiology Institute, AN SSSR); Institut biofiziki AN SSSR (Biophysics Institute, AN SSSR)

Card 2/3



62522-65
ACCESSION NR: AP5016422 O
SUBMITTED: 06Jul64 ENCL: 00 SUB CODE: LS
NR REF SOV: 004 OTHER: 002

Kc
Card 3/3

BRIL', I.L.; SOLOMINA, Ye.P.; SOLOV'YEVA, O.A.

Increasing accuracy in the determination of the chemical resistance of glass ampules and tubes. Med.prom. 13 no.11:26-28 N '59. (MIRA 13:3)

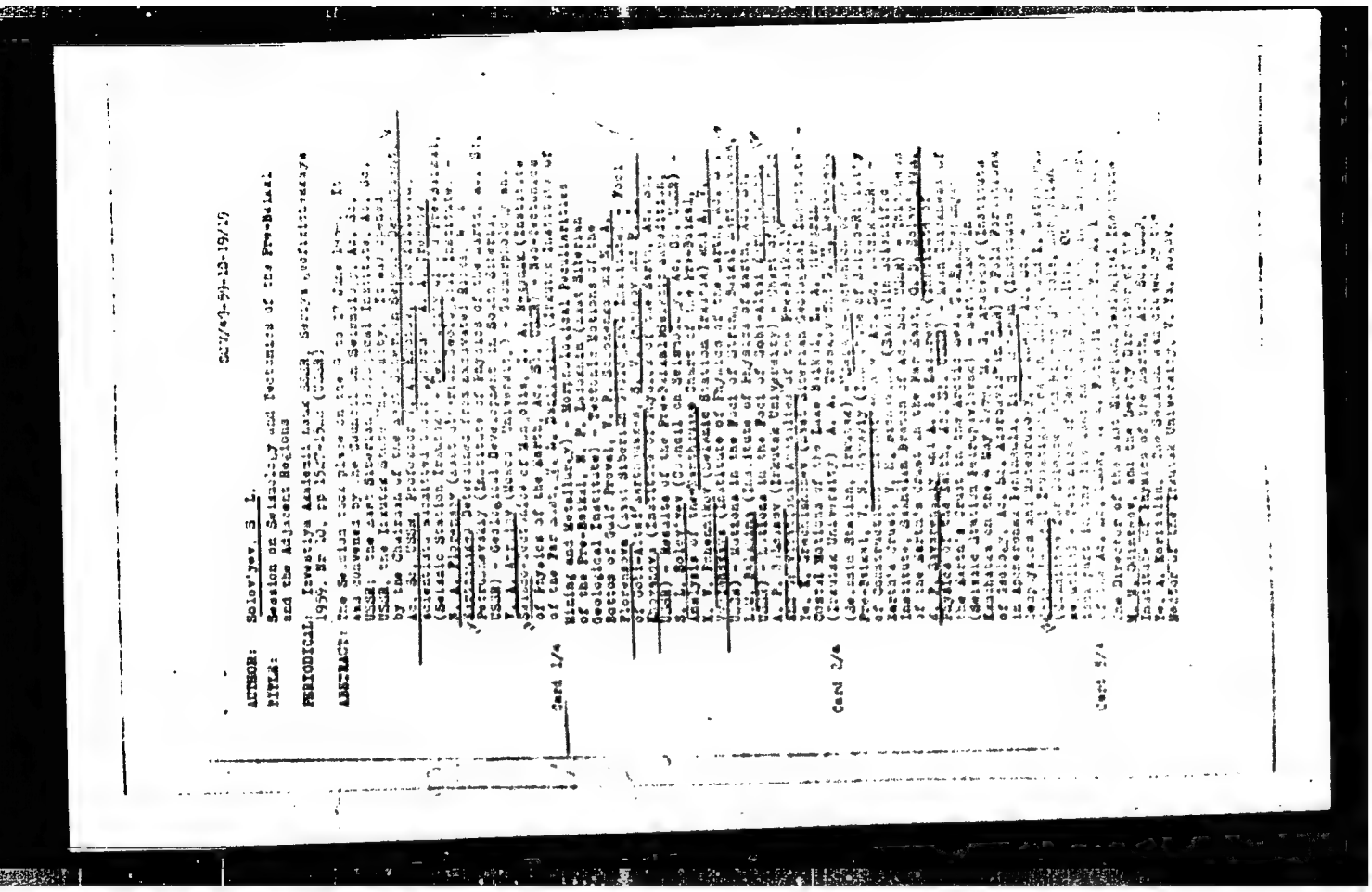
1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya.
(GLASS--TESTING)

SOLOV'YEVA, O. I.

PAVLOVA, A.T.; SOLOV'YEVA, O.I.; CHERNOVA, V.M.; KHRYSINA, S.M.

The diagnostic value of Widal's test in acute dysentery of early childhood. Vop.okh.mat.i det. 2 no.3:14-21 My-Je '57. (MLRA 10:7)

1. Iz kafedry mikrobiologii (zav. - prof. V.M.Berman) Leningradskogo pediatricheskogo meditsinskogo instituta i detskoy infektsionnoy bol'nitsy imeni K.Libknekhta.
(DYSENTERY)



SAVARENSKIY, Ye.F.; SOLOV'YEVA, O.N.; LAZAREVA, A.P.

Dispersion of Raleigh waves and structure of the earth's crust in the North of Eurasia and the Atlantic Ocean. Biul. Sov. po seism. no.10:168-175 '60. (MIRA 13:11)

1. Institut fiziki Zemli AN SSSR, Moskva.
(Seismometry) (Earth—Surface)

SHECHKOV, B.N.; SOLOV'YEVA, O.N.

Group velocities of Rayleigh waves for a composite continental - oceanic path. Izv. AN SSSR. Ser. geofiz. no.8:1171-1173 Ag '61.

1. Akademiya nauk SSSR, Institut fiziki Zemli.
(Seismic waves)

SOLOV'YEV, S.L.; SOLOV'YEVA, O.N.

Exponential distribution of the total number of earthquake aftershocks and the decrease of its mean value with depth. Izv.AN SSSR. Ser.geofiz. no.12:1685-1694 '62. (MIRA 16:2)

1. Sakhalinskiy kompleksnyy nauchno-issledovatel'skiy institut, Sibirskoye otdeleniye AN SSSR.
(Earthquakes)

SOLOV'YEV, S. L.; SOLOV'YEVA, O. N.

Comparison of the amplitude fields of body waves engendered in Kurile-Kamchatka and Mediterranean earthquakes. Izv. AN SSSR. Ser. geofiz. no. 4:483-493 Ap '64. (MIRA 17:5)

1. Sibirskoye otdeleniye AN SSSR i Sakhalinskiy kompleksnyy nauchno-issledovatel'skiy institut.

CHIRYATNIKOV, V.I., starshiy nauchnyy sotrudnik; LEVINA, L.I., starshiy nauchnyy sotrudnik; BUSHKOVA, L.A., mladshiy nauchnyy sotrudnik; STEFANOV, A.V., starshiy veterinarnyy vrach-bakteriolog; SHIRYAYEVA, V.M., starshiy veterinarnyy vrach-bakteriolog; SOLOV'YEVA, O.T., veterinarnyy vrach-bakteriolog; BOLDOVA, A.K., inzh.

Aging of cured meat in large containers. Trudy VNIIMP no.12:58-70 '62. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Chiryatnikov, Levina, Bushkova). 2. Moskovskiy myasokombinat (for Stefanov, Shiryayeva, Solov'yeva, Boldova).

1. SOLOV'YEVA, O. V.

2. USSR 600

4. Sedimentation Analysis

7. Methods of preparing argillaceous suspensions for sedimentation analysis, Ogneupory , 17, No. 12, 1950.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

Dec 52

SOLOV'YEVA, O. V.

USSR/Engineering - Refractories, Analysis

"Methods of Preparing Clay Suspensions for Sedimetrical Analysis," O. V. Solov'yeva

Ogneupory, No 12, pp 551-562

Studies 3 methods for preparing clays, concluding that peptization by boiling with electrolytes gives best results. Tested several peptizing agents, establishing advantage of using sodium pyrophosphate which has wide range of effective stabilizing action on various clays, including those giving highly coagulated suspensions, such as carbonate clays and kaolins. Outlines procedure for preparing clays for analysis.

267T68

SOLOV'YEVA, O.V.

Methods of preparing clay suspensions for sedimentometric analysis. Ogne- upory 17. 551-62 '52. (MLRA 6:1)
(CA 47 no.21:11067 '53)

SOLOV'YEVA, O.V.

Fractionation of clays by the Sabanin method. O. V. Solov'eva. *Sbornik Robot* [illegible] *yaisteroslivestie* 1953, No. 2, 111-18; *Referat. Zhur.*, Khim. 1955, No. 822.—A crit. review of the Sabanin method is given. To obtain more precise results it is suggested [illegible] that one calc. the sedimentation time by Stokes' formula [illegible] disperse the clay with $Na_4P_2O_7$, and decant the clay [illegible] [illegible]suspensions with syphons having side openings sealed at the [illegible] bottom or with siphons with branches of even length. Details of the procedure are given.

M. Hosch

GP

CHERNYSHEV, A.P.; KONDRATENKO, I.V.; POLYAKOV, P.V.; SOLOV'YEVA, P.N.; ANIGIN, A.F.

Cableless circuit for the automation of belt and single-chain scraper conveyers in a coal mine. Prom.energ. 16 no.6:10-11 Je '61. (MIRA 15:1)

(Conveying machinery) (Automatic control)

L'VOV, P.L.; SOLOV'YEVA, P.P.

Distribution of Hedera pastuchowii Woronow in Daghestan. Nauch. dokl. vys. shkoly; biol. nauki no.1:109-112 '64. (MIRA 17:4)

1. Rekomendovana kafedroy botaniki Dagestanskogo gosudarstvennogo universiteta im. V.I.Lenina.

PHASE I BOOK EXPLOITATION SOV/3941

Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya

Primeneniye ekzotermicheskikh smesey dlya podogreva pribyley lit'ya (Use of Exothermic Mixtures for Preheating of Risers) Moscow, Tsentr. byuro nauchno-tekhn. inform. tyazhelogo mashinostroyeniya, 1959. 48 p. Errata slip inserted. 1,500 copies printed. (Series: Obmen peredovym opytom)

Additional Sponsoring Agency: USSR. Gosudarstvennaya planovaya komissiya. Glavnoye upravleniye nauchno-issledovatel'skikh i proyektnykh organizatsiy.
Eds.: (title page): A.V. Lopatin, Engineer, and M.I. Kuznetsova; Tech. Ed.: P.I. Seleznev.

PURPOSE: This collection of articles is intended for engineers and skilled workers of metallurgical plants.

COVERAGE: Articles of this collection review exothermic mixtures used at metallurgical plants to preheat risers. Components and properties of these mixtures are indicated. Higher yields, better quality of castings, and economy of

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Use of Exothermic Mixtures (Cont.) SOV/3941

metal are pointed out by authors as advantages afforded by the process of preheating of risers by exothermic mixtures. The preheating operations for several types of risers and sleeves are described. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress (TS236.M77)

VK/pw/[illegible]
8-30-60

Card 2/2

MYACHKIN, V.I.; KRAVETS, V.V.; SOLOV'YEVA, R.P.

Ultrasonic studies of the physicomechanical properties of iron ores and enclosing rocks in the Krivoy Rog Basin. Geofiz. sbor. no.7:45-50 '64. (MIRA 17:11)

1. Institut geofiziki AN UkrSSR.

S/049/60/000/01/007/027
E201/E191

AUTHORS: Myachkin, V.I., and Solov'yeva, R.P.

TITLE: "In Situ" Investigation of Short-Distance Propagation of Ultrasonic Elastic Waves in Rocks

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1960, No 1, pp 63-73

TEXT: The experiments were carried out with elastic waves of 50 kc/s frequency at a depth of 300 m in the Kalush potassium mine near Stanislavov. The apparatus consisted of a mining seismoscope OP-55, an ultrasonic seismograph IKL-4 and piezoelectric pickups made of Rochelle salt. The layout of the experiment is shown in Fig 1, some seismograms are given in Figs 2 and 3 and calculations are illustrated in Fig 4 and Table 1. With bases of the order of 0.3-1.0 m the accuracy of determination of the elastic wave velocity was 1-3%. The experiments yielded the following values of the velocities of the direct longitudinal (v_P) and Rayleigh (v_R) waves in sylvinite: v_P = 3500-3700, v_R = 1800-1900 m/sec, and in "zuber": v_P = 4100, v_R = 2100 m/sec ("zuber" is the local Polish name for brecciform halite, after a Polish geologist

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S/049/60/000/01/007/027
E201/E191

"In Situ" Investigation of Short-Distance Propagation of Ultrasonic Elastic Waves in Rocks

R. Zuber). These velocities were used to calculate elastic constants of these two rocks (Table 2). The authors determined also the coefficients of quasi-anisotropy. These coefficients are defined as the ratios $\varkappa = v_{\parallel}/v_{\perp}$ where $v_{\parallel}$ and $v_{\perp}$ are, respectively, the velocities of longitudinal waves along and at right angles to the direction of stratification. For sylvinite with small amounts of "zuber" the anisotropy coefficient was $\varkappa \simeq 1.05$-1.07; for sylvinite with large amounts of "zuber" $\varkappa \simeq 1.03$; and for "zuber" itself $\varkappa \simeq 1$. The results obtained can be used both in engineering and in seismic prospecting. The work was carried out under the direction of Yu.V. Riznichenko, and A.M. Palenov took part in the experiments.
There are 7 figures, 2 tables and 21 references: 10 Soviet, 5 English, 1 Polish, 3 German, 1 French and 1 Italian.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki zemli (Institute of Physics of the Earth, Acad.Sci. USSR)

Card 2/2

SUBMITTED: March 3, 1959